ABSTRACT

The invention relates to a process for lowering the content of organic matter and of nitrogenous products contained in a liquid to solid bromine-containing effluent, which consists in subjecting the said effluent to one or more physicochemical treatments chosen from:

a) acidification of an aqueous bromide-containing solution or of a solution obtained by dissolution if the bromide-containing effluent is solid, followed by vapour entrainment of the light organic compounds;

b) basification of the solution obtained in a) or of initial aqueous bromide-containing solution obtained by dissolution if the bromide-containing effluent is solid, followed by vapour entrainment of the light organoamine compounds and/or of NH_3;

c) vapour entrainment of light organic compounds from the aqueous solution obtained in a), or from the solution obtained in b), or from an initial bromide-containing solution obtained by dissolution if the effluent is solid, without modifying the pH;

d) washing a solid bromide-containing effluent to be treated or a solid derived from the evaporation of an aqueous bromide-containing solution resulting from one or more preceding treatment(s), with an organic solvent, filtration of the suspension obtained, and washing and drying of the cake obtained.